Scott. H-27.-40,000—20-12-38.

Development (1939) Department.

9m S SERIES.

G.O. No. 992

Dated 11.12.1939

[Despatch Abstract.]

Forests - Grazing - Deferred and Rotational - Hanur Reserved Forest Ramapuram Range - Kollegal Division - Scheme - Approved.

C.F. 30

Forest DEPARTMENT.

Received ... Registered 36148 19

Subject.

GRAZING -

Deferred - Rotational - Hanur Reserved Forest - Ramapuram Range - Kollegal - Scheme -- Approval applied for.

Urgent

ENCLOSURES.
No. ...
...
Spare copies ...

Reference No. 11365-39-Cl.

Station Madras, Dated the 2nd December 19 39.

From (Name) C.C. Wilson Esq., I.F.S.,
(Designation) Chief Conservator of Forests.

To The Secretary to the Government of Madras,
Development Department.

Sir,

H 4-8 urgent

A scheme for the introduction of deferred grazing followed by rotational grazing in about 304 acres of Hanur Reserved Forest, Ramapuram Range, Kollegal division is submitted.

2. The scheme follows mainly the lines of that sanctioned in G.O.No.962 Ms., Development, dated the 15th April 1939 for Tirupati Extension A reserved forest in Chittoor division, prepared by Mr.J.A. Wilson, till recently Special Grazing Officer.

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3. The grass mixt area with which this scheme deals has ripened and should now be subjected to heavy grazing for a very limited period. The Conservator, Coimbatore Circle, has therefore, in anticipation of sanction, instructed the District Forest Officer to open the area to intensive grazing for a total period of 40 ~~yaa~~ days, and his action has been approved.

4. The scheme consists of two interdependent parts; in the first place "deferred grazing" is permitted, by a limited number of cattle for a short time, on payment of an additional fee of one anna per head. This is for the purpose of reducing the density of the grass Cover and treading the grass seed into the ground, so as to ensure germination of as much of it as possible. This period of grazing is to last only until the object has been achieved and will probably extend up to about 40 days.

Thereafter, the second phase, "rotational grazing," comes into operation, but only when the District Forest Officer is satisfied that the growth of fodder grasses has been improved to the extent required. When this has been achieved a limited number of cattle are admitted to graze on the rotational system, and for this privilege the graziers have agreed to pay a special fee of Re.1/- per head of cattle.

Similar schemes have recently been introduced in other districts and have been a success; and it should be pointed out that no hardship is entailed in the levy of the extra fee, as the area concerned is and has been for some years past completely closed to grazing for sylvicultural reasons, there is ample grazing available

for

for ordinary purposes, and it is only for this special area that the higher rate is charged which may be paid by such cattle owners as may wish to take advantage of the special facilities offered.

It is recommended that the scheme be approved, and early orders are requested.

for Chief Conservator of Forests.

4/12.

Enc: 1. Copy of Scheme.
2. Sketch.

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Scheme for the introduction of deferred grazing to be followed by rotational grazing in Kollegal Division.

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The area proposed to be dealt with lies in the Hanur reserved forest of Ramapuram Range in Kollegal Division. It comprises of coupes I to IV of the Hanur Fuel Felling series. The area ofeach coupe, and the year of felling are given below:-

	Area.	Year of felling.
Coupe I.	80 acres	1933-34
,, II	73 ,,	1934-35
,, III	73 ,,	1935-36
,, IV	78 ,,	1936-37
	304 acres.	

These coupes have been closed to grazing for periods ranging from 4 to 7 years inclusive of the year of felling. As arresult of closure, their carrying capacity, as pastures, has increased.

2. Experiment has shown that mere closure to grazing results in improvement of the pasture only upto the fourth year, after which little further improvement takes place in the absence of some form of treatment.

Experiment has further shown that if an imcompletely stocked pasture is allowed to come upto seed and is then grazed fairly heavily, the result is that seeds are spread about and well trodden in by cattle. They germinate with the next rains, and hence the pasture becomes better stocked. In addition to spreading and treading in the seed, the pasture will be further benefitted by having the dry grass stalks grazed off. These choke back early growth after the first rains.

3. The areas with which this scheme deals have ripened and should be opened to heavy grazing for a very limited period as soon as possible and not later than 1st February 1940. It is, therefore, proposed to graze each of the four coupes in turn for a period not exceeding ten days with an intensity not exceeding one cow unit per acre, i.e. 300 cow units in all. At the end of the forty day period, the coupes will again be closed to grazing.

4. After response of these pastures to the next south-west monsoon, is noted, it will be decided whether or not we may proceed straightway to open them for rotational grazing or whether they should receive treatment under the deferred system for a further year.

5. As the grazing offered in these areas is superior to that of areas which have been open to unrestricted grazing, the villagers of Hanur are agreeable to pay Rs.0-1-0 per head over and above the normal grazing fee for the privilege of grazing subject to conditions laid down in paragraph 3 above. Their undertaking to this effect has been recorded.

6. The permits will be sold departmentally to the villagers of Hanur to a maximum limit of 300 permits, by the Range officer, Ramapuram. It is to be noted that these special permits will be issued only to villagers holding ordinary permits and that they shall in the first place be offered to the ryots of Hanur.

7. The rotational system prescribed is as below:-

(a) The intensity of grazing to be admitted shall not exceed one cow unit per 2½ acres, i.e.,120 cow units for the first year. This figure will be reconsidered after experience has been gained.

(b) It is desirable that cattle should graze as one herd, and this should be borne in mind, and villagers encouraged to co-operate to this end. It is essential that cattle move from coupe to coupe at the same time, and this must be insisted on. Cattle may not graze in two coupes at the same time.

(c) The boundaries of the paddocks shall coincide with the coupe boundaries.

(d) When it is decided to start rotational grazing and as soon as grazing is available, the area will be opened, and the cattle may enter one paddock selected by the graziers. They shall graze in the paddock for a period not exceeding one month when they may move to another paddock again to be selected by graziers, and so on. The cattle need not remain in the paddock for the full month if they wish to move.

(e) The herd may not return to a paddock after they have once left it for a period of six weeks. This is important.

(f) The removal of manure from this area is strictly forbidden. It is required to nourish the pasture. The carrying of knives, etc. in the special areas should be discouraged. There is no danger from wild animals.

(g) If it is found that the cattle are damaging tree growth or if any lopping of foliage of trees occurs within the area, it will be open to the Department to close the whole of these coupes.

(h) Admission of cattle to these areas shall be by special permits in addition to the ordinary permit. It is

desirable

desirable that only graziers or owners who have special licences issued by the District Forest Officer should be allowed into the area.

(i) The villagers agree to pay a fee of Rs.1-0-0 per head for rotational grazing over and above the normal grazing fee. The special permits for rotational grazing will be sold by the Department. The villagers have given a statement that the Department may issue the permits.

(j) The special permits shall be tenable from the date of opening until 30th June of the year following.

(k) If the rotational scheme proves popular, the intention is to extend it by the gradual inclusion of younger coupes as they reach four years of age. Thus the following will be included in the years mentioned for the treatment against them.

About January 1941	Coupe V.	Deferred grazing only, followed, if possible by regular rotational grazing from about July 41.
About January 1942	Coupe VI.	do. do. July 42.

In addition, it is desirable to bring coupes XXXVIII and XL worked in 1930-31 and 1932-33 under the scheme in order to get a convenient block.

Rotational grazing will improve the carrying capacity and this will automatically increase with the inclusion of new areas. It is undesirable to concentrate an unmanageable number of cattle on one paddock.

(l) The area that will eventually come into the scheme is divided into two blocks. Block I comprises of coupes XXXVIII I, II, and III and is 306 acres in extent. Block II com-

comprises of coupes IV, V, VI, and XL and is 275 acres in extent. A sub-division of the whole area of 581 acres into these two blocks will eventually be necessary. The villagers must be consulted from time to time and it is essential that they understand what is being done and why.

(8) This scheme has as its ideal an eventual area of 581 acres with an estimated ultimate carrying capacity of at least 290 cow units.

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(9) The sketches attached show,

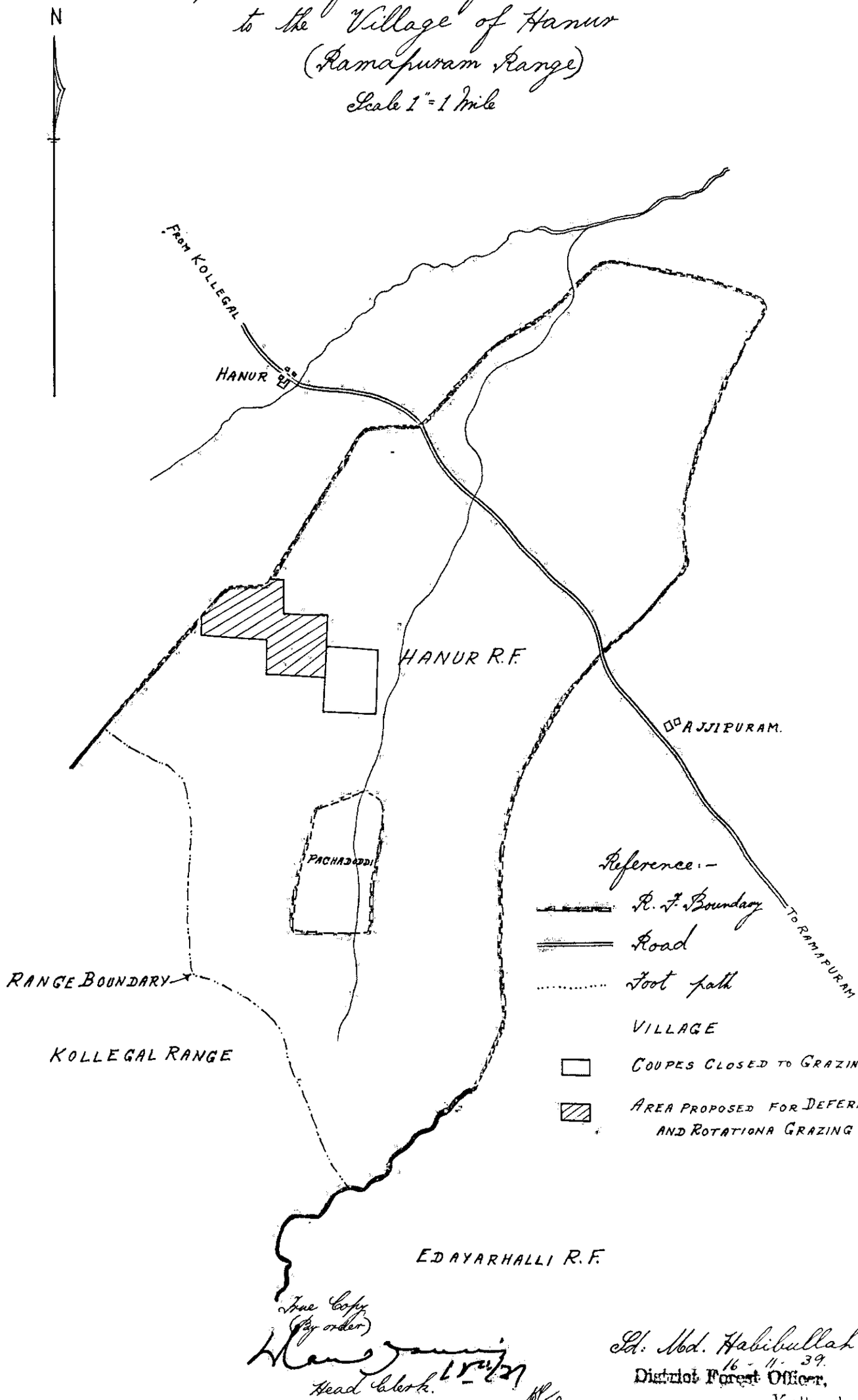
(a) the location of the area relative to the village of Hanur (Scale 1" = a mile)

(b) the details of the area with surrounding areas (scale 4" = a mile).

9

Sketch showing the location of coupes I to VI of Hanur fuel Series relative to the Village of Hanur (Ramapuram Range)

Scale 1" = 1 mile



True Copy
(By order)
Head Clerk. 15-11-39

Sd. Md. Habibullah
16-11-39.
District Forest Officer,
Kollegal.

16-11-39

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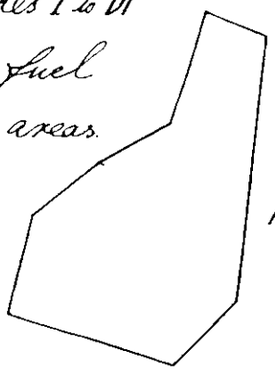
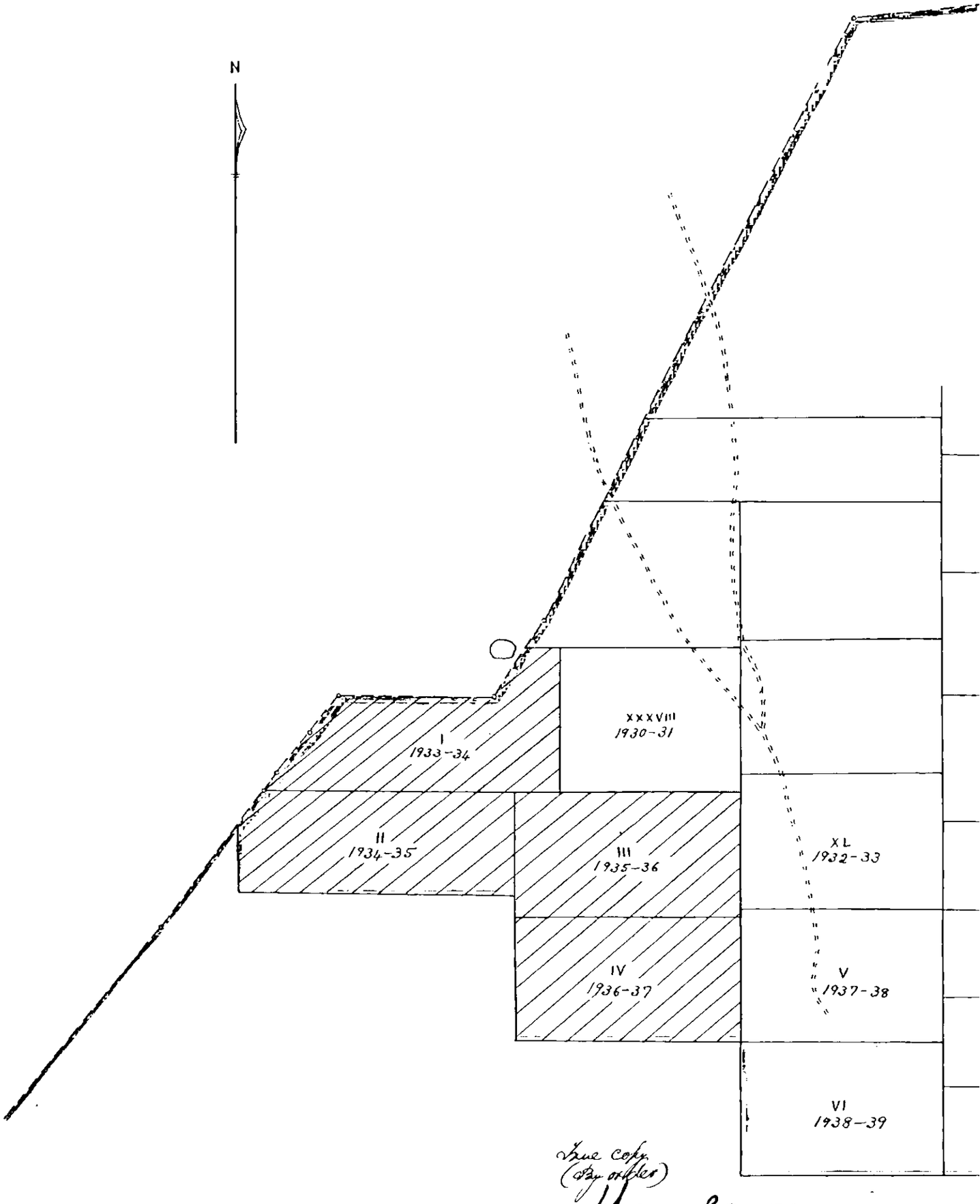
Sketch Showing Coupes I to VI
XXXVIII & XL of Hanur fuel
series with surrounding areas.
(Ramapuram Range)
Scale 4" = 1 mile





True copy
(By order)
Head Clerk.

Sd: Md. Habibullah.
16-6-39
District Forest Officer.
Kollegal

17-11-39

20/11/39
Date. Initials.

C.F.16.

Dev. Dept.

DRAFT FOR APPROVAL.

SUBJECT:— Forests.

When received for fair copying ..		
When copied ..	11/12	
When examined ..	11/12	
When signed ..		
When despatched.		

grazing. Reserved and Rotational - Hanur R.F. - Ramaswamy Range - Kollegal Div - Scheme - Approved.

READ AGAIN _____, dated _____ 19____.

" " _____ " _____ 19____.

READ *ALSO*:—

C. No. 3614/39 From the C.C.F Rep. No. 11365/39 C1, dated 2.12.1939. pp 1-3 cf

" _____ " _____ " _____ " _____ 19____.

" _____ " _____ " _____ " _____ 19____.

Order / Resolution Ms. / ~~Rout.~~ No. 2992, dated 11 — 12 — 1939.

pp 4 cf

The Scheme for introduction of reserved grazing followed by rotational grazing in about 304 acres of Hanur Reserved Forest, Ramaswamy Range, Kollegal Division, submitted by the C.C.F. with his reference read above is approved.

pp 1-3 cf

Rep Dy CS 9/12/39.

The C.C.F.

8.12.

8/12/39

Dpd by Dy Hqrs

Dpr.'s Initials

Date 11/12/39